SID-space Experiment

draft-eknb-srv6ops-interdomain-sidspace

IETF 122

Background

- RFC 9602 requested a dedicated block for SRv6 SIDs
- intent was to improve security by simplifying filtering
- IANA allocated `5f00::/16`
- "intended to be applicable to a contained SR Domain or **between collaborating SR Domains**"

Experiment w/ a voluntary convention for 5f00::/16

- reïterate: a **voluntary** convention for this block
- not dissimilar to the original proposal for 5f00::/8 (RFC 1897)
- intended for ease of use among cooperating SR domains
- specifically:
  - append 32-bits of ASN to `5f00::/16`
  - yields /48s of the form:
    - 16-bit ASNs become `5f00:0:`*`<asn16>`*`::/48`
    - 32-bit ASNs become `5f00:`*`<hi16>`*`:`*`<lo16>`*`::/48`
- documentation prefixes derive from documentation ASNs
- private use prefixes derive from private use ASNs